

# Notice of Allowability

Application No.

10/687,128

Applicant(s)

MATSUSHITA ET AL.

Examiner

Christopher E. Lee

Art Unit

2112

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Afte Final Amendment filed on 21<sup>st</sup> of April 2006.
2. ☒ The allowed claim(s) is/are 1,4-11 and 13.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

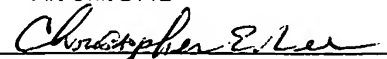
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Christopher E. Lee  
Patent Examiner  
Art Unit 2112



## **DETAILED ACTION**

### ***Receipt Acknowledgement***

1. Receipt is acknowledged of the Amendment After Final filed on 21<sup>st</sup> of April 2006. Claim 4 has been amended; claims 2, 3, and 12 have been canceled; and no claim has been newly added since the Final Office Action was mailed on 23<sup>rd</sup> of February 2006. The amendment places the Application in condition for allowance by way of canceling the rejected claims 2, 3, and 12, and amending the objected claim 4 as an independent claim, and thus this amendment is entered. Currently, claims 1, 4-11, and 13 are pending in this Application.

### ***Allowable Subject Matter***

2. Claims 1, 4-11, and 13 are allowed.
3. The examiner's statement of reasons for allowance was discussed in the Office Action mailed on 23<sup>rd</sup> of February 2006, such that:

With respect to claims 1, 4, and 10, the claim limitations of the respective claims 1, 4, and 10 are deemed allowable over the prior art of record as the prior art fails to teach or suggest that the bus arbiter compares a previously set amount of data with the amount of data to be transferred, in a case of receiving a request for use of the internal bus from the internal unit and a notification of the amount of data to be transferred, during the priority processing interval, and when the amount of data to be transferred is equal to or less than the previously set amount of data, the bus arbiter permits the internal unit to use the internal bus during the priority processing interval. The claims 5 and 13 are dependent claims of the claim 1.

With respect to claim 6 and 11, the claim limitations of the respective claims 6 and 11 are respectively deemed allowable over the prior art of record as the prior art fails to teach or suggest that the memory interface prohibits the internal units other than the part of the plurality

of internal units, which has a function of dividing data to be transferred to the memory interface via the internal bus and transferring it, from using the internal bus and permits the external interface to use the internal bus, during a period before transfer of all the divided data is completed. The claims 7-9 are dependent claims of the claim 6.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher E. Lee whose telephone number is 571-272-3637. The examiner can normally be reached on 9:30am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on 571-272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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